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Appendix A
Pending claims

13. A hybridization chamber comprising:
 - a) a base plate wherein a base cavity for holding a first array component is formed in said base plate;
 - b) a lid comprising at least one component port for immobilizing a second array component;
 - c) a sealant between said base plate and said lid.
14. The chamber according to claim 13, wherein said second array component is a fiber optic bundle.
15. The chamber according to claim 13 further comprising at least one alignment feature.
16. The chamber according to claim 15, wherein said at least one alignment feature is a male and female fitting.
17. The chamber according to claim 13, further wherein said first array component is a microtiter plate.
18. The chamber according to claim 13 further comprising at least one fluid handling device.

New:

29. A hybridization chamber comprising:
 - a) a base plate comprising a base cavity;
 - b) a first array component in said base cavity;
 - b) a lid comprising at least a first component port, wherein said component port comprises a second array component;
 - c) a sealant between said base plate and said lid.
30. Wherein said first array component is a microtiter plate.
31. Wherein said second array component is a fiber optic bunch.
32. The chamber according to claim 29 further comprising at least one alignment feature.
33. The chamber according to claim 29, wherein said at least one alignment feature is a male and female fitting.
34. The chamber according to claim 29 further comprising at least one fluid handling device.

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Appendix A

Marked up Version of the Claims

Claims 1-12 and 19-28 are canceled.

29. (New) A hybridization chamber comprising:

- a) a base plate comprising a base cavity;
- b) a first array component in said base cavity;
- b) a lid comprising at least a first component port, wherein said component port comprises a second array component;
- c) a sealant between said base plate and said lid.

30. (New) Wherein said first array component is a microtiter plate.

31. (New) Wherein said second array component is a fiber optic bunch.

32. (New) The chamber according to claim 29 further comprising at least one alignment feature.

33.(New) The chamber according to claim 29, wherein said at least one alignment feature is a male and female fitting.

34.(New) The chamber according to claim 29 further comprising at least one fluid handling device.